Joseph Kaluzny

6B

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Investigation Reflection Prompt

I am interested in doing our project on the career of a nuclear physicist/engineer. A nuclear physicist/engineer is a person who studies the interactions between atomic nuclei. They do many things including nuclear power generation and nuclear medicine. I have quite a bit of background knowledge on this topic because I took the nuclear science merit badge for boy scouts, in Two Rivers. There I learned how nuclear power is generated using uranium along with things such as building a model of different elements and atoms. One reason I selected this topic is that my cousin, Josh, works at a nuclear research facility in Illinois. I would be able to interview him about how he got the job, what he does, etc. and he could also answer any other questions I might have regarding the project. The second reason I chose this topic is the large amount of information that I already know about this topic. I know how particle accelerators work, but I am eager to learn more about them and other nuclear science topics. I also chose this topic is that I am fascinated by the fact that we can create energy by splitting atoms. I cannot fathom the fact that 20% of America’s power comes from splitting things we cannot even see. That is why I think we should make our project on the topic of the career of a nuclear physicist/engineer.